

Title (en)
SINGLE STEP STERILIZATION WRAP SYSTEM

Title (de)
EINSTUFIGES STERILISATIONSHÜLLENSYSTEM

Title (fr)
SYSTEME D'EMBALLAGE SOUMIS A LA STERILISATION EN UNE ETAPE

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EP 0707460 A1 19960424 (EN)

Application
EP 94923170 A 19940527

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Abstract (en)
[origin: WO9501135A1] Disclosed herein is a single step sterilization wrapping material (10) suitable for use, as an example, in wrapping surgical instruments (18) and supplies for sterilization, transportation and storage. The material (10) includes separate inner (14) and outer (12) wraps which, unlike previous wraps, are joined (20, 22) to one another. Common wrapping techniques involve wrapping items (18) to be sterilized with two separate sheets of wrap. The present invention provides separate wraps (12, 14) which can be specially engineered to deliver specific properties for each sheet and then joined (20, 22) to one another so as to permit wrapping and opening in a neat single step process which increases efficiency and saves time and money. In special situations the outer wrap (12) can be engineered with increased strength, the inner wrap (14) with increased barrier properties and the inner (14) and outer (12) wraps can be made visually distinct from one another so that improper wrapping or opening is not a problem.

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Citation (search report)
See references of WO 9501135A1

Citation (third parties)
Third party :
• EP 0432586 A2 19910619 - HOECHST AG [DE]
• US 4863785 A 19890905 - BERMAN MARK H S [US], et al

Cited by
CN102470018A; WO2019121571A1; US11338946B2

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WO 9501135 A1 19950112; AU 695238 B2 19980813; AU 7312294 A 19950124; CA 2111071 A1 19941231; CA 2111071 C 20070227; CA 2111071 E 20110823; DE 69431113 D1 20020905; DE 69431113 T2 20030327; DE 69433434 D1 20040129; DE 69433434 T2 20041007; DE 69434602 D1 20060330; DE 69434602 T2 20060810; DE 69435201 D1 20090514; EP 0707460 A1 19960424; EP 0707460 B1 20020731; EP 1125558 A2 20010822; EP 1125558 A3 20010905; EP 1125558 B1 20031217; EP 1362557 A1 20031119; EP 1362557 B1 20060104; EP 1621154 A2 20060201; EP 1621154 A3 20070124; EP 1621154 B1 20090401; ES 2180584 T3 20030216; ES 2208493 T3 20040616; ES 2250801 T3 20060416; JP 2004250108 A 20040909; JP 3713272 B2 20051109; JP 4081040 B2 20080423; JP H08511970 A 19961217; MX 9404664 A 19980830; US 5635134 A 19970603; US 5688476 A 19971118; US 5958337 A 19990928; US 6159423 A 20001212

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US 9406047 W 19940527; AU 7312294 A 19940527; CA 2111071 A 19931209; DE 69431113 T 19940527; DE 69433434 T 19940527; DE 69434602 T 19940527; DE 69435201 T 19940527; EP 01111863 A 19940527; EP 03019086 A 19940527; EP 05021899 A 19940527; EP 94923170 A 19940527; ES 01111863 T 19940527; ES 03019086 T 19940527; ES 94923170 T 19940527; JP 2004125811 A 20040421; JP 50348495 A 19940527; MX 9404664 A 19940620; US 32335899 A 19990601; US 4576998 A 19980320; US 46816495 A 19950606; US 75101296 A 19961114